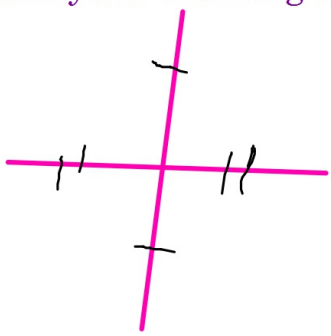
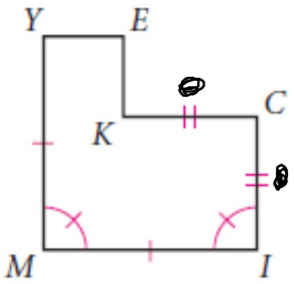
Quiz 1 Practice Review 9/16/16

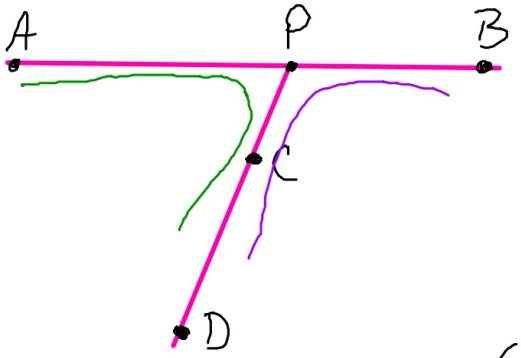
Draw two segments that have the same midpoint.
Mark your drawing to show congruent segments.



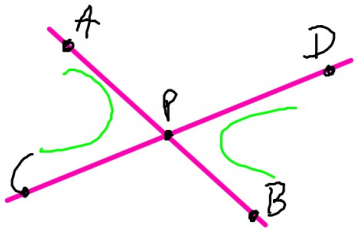
$\overline{MI} \cong$? $\overline{MY}$
$\overline{IC} \cong$? $\overline{CK}$
$m\angle M \cong$? $m\angle I$



There is something wrong with this definition for a pair of vertical angles: "If AB and CD intersect at point P, then APC and BPD are a pair of vertical angles." Sketch a counterexample to show why it is not correct. Can you add a phrase to correct it?

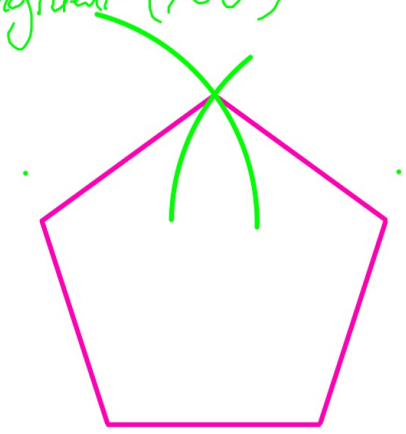


remove "intersect"
replace w/ "cross"

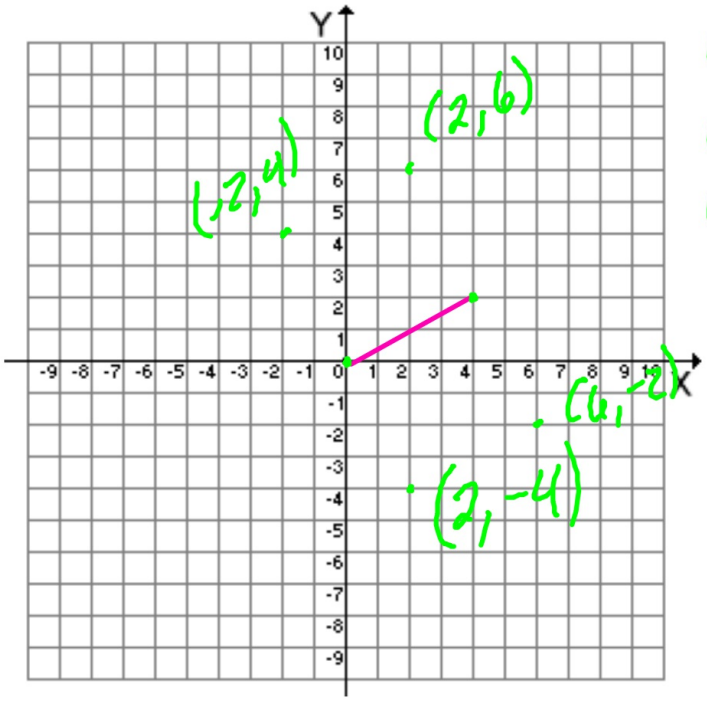


Use your compass, protractor, and straightedge to draw a regular pentagon.

all congruent sides
all angles congruent (108°)



Find the other two vertices of a square with one vertex (0, 0) and another vertex (4, 2).



(0,0)
(4,2)
(-2,4)
(2,6)

(0,0)
(4,2)
(2,-4)
(6,-2)